

## Amendments To Claims

1. (Currently Amended) A system for communication, comprising:  
first set of sensing and rendering components arranged to cover physical movements of multiple individuals present in a first environment;  
second set of sensing and rendering components arranged to cover physical movements of multiple individuals present in a second environment;  
interest thread detector that uses the first and second set of sensing and rendering components to detect multiple communication interactions each involving a respective subset of the individuals present in the first and second environments and that maintains an interest thread for each communication interaction;  
communication provider that captures a set of media data from the sensing components and that combines the captured media data in response to the respective activities indicated by physical movements of each subset of the individuals and that communicates the combined media data to the rendering components.
2. (Previously Presented) The system of claim 1, wherein the communication provider selects a respective subset of the first and second set of sensing and rendering components for use for each interest thread.
3. (Previously Presented) The system of claim 1, wherein the respective activities include speech levels of the individuals involved in the respective interest thread.
4. (Previously Presented) The system of claim 1, wherein the respective activities include gestures by the individuals involved in the respective interest thread.
5. (Previously Presented) The system of claim 1, wherein the respective activities include movements by the individuals involved in the respective interest thread.

6. (Previously Presented) The system of claim 1, wherein the respective activities include locations of the individuals involved in the respective interest thread.
7. (Previously Presented) The system of claim 1, wherein the communication provider refines the media data obtained from the sensor components in response to the respective activities.
8. (Previously Presented) The system of claim 1, wherein the communication provider stores the combined media data to provide a history of each communication interaction.
9. (Currently Amended) The system of claim 1, wherein the communication interactions include a communication interaction that pertains to an artifact in one of the environments.
10. (Original) The system of claim 9, wherein the artifact changes over time.
11. (Original) The system of claim 9, wherein the artifact is a shared virtual writing surface.
12. (Previously Presented) The system of claim 10, wherein a change to the artifact is made by one of the individuals involved in the interest threads.
13. (Original) The system of claim 10, wherein the communication provider records a history of the artifact over time.
14. (Previously Presented) The system of claim 1, wherein the interest thread detector detects one or more activities in the environments and creates an interest area for the detected activity.
15. (Previously Presented) The system of claim 14, wherein the interest thread detector associates the interest area with

another interest thread.

16. (Previously Presented) The system of claim 1, wherein the communication interactions include a communication interaction that involves two or more of the individuals in one of the environments.

17. (Previously Presented) The system of claim 1, wherein the communication interactions include a communication interaction that involves one or more of the individuals in two of the environments.

18. (Previously Presented) The system of claim 1, wherein the interest thread detector detects formation by detecting a movement of one of the individuals.

19. (Original) The system of claim 18, wherein the movement pertains to one of the rendering devices.

20. (Original) The system of claim 18, wherein the movement pertains to one of the other individuals.

21. (Previously Presented) The system of claim 1, wherein one or more of the individuals is in a remote location and in possession of a remote sensing and rendering component.

22. (Currently Amended) A method for communication, comprising:  
providing a first set of sensing and rendering components for covering physical movements of multiple individuals present in a first environment;

providing a second set of sensing and rendering components for covering physical movements of multiple individuals present in a second environment;

detecting multiple communication interactions each a communication interaction involving a respective subset of the individuals present in the first and second environments;

maintaining an interest thread for the each detected communication interaction;

capturing a set of media data from the sensing components;  
combining the captured media data in response to the  
respective activities indicated by physical movements of the  
respective subset of the individuals;

communicating the combined media data to the rendering  
components.

23. (Previously Presented) The method of claim 22, further  
comprising selecting a respective subset of the sensing and  
rendering components for use for each interest thread.

24. (Previously Presented) The method of claim 22, wherein  
combining the captured media data includes detecting speech  
levels of the corresponding individuals.

25. (Previously Presented) The method of claim 22, wherein  
combining the captured media data includes detecting gestures by  
the corresponding individuals.

26. (Previously Presented) The method of claim 22, wherein  
combining the captured media data includes detecting movements  
by the corresponding individuals.

27. (Previously Presented) The method of claim 22, wherein  
combining the captured media data includes detecting locations  
of the corresponding individuals.

28. (Previously Presented) The method of claim 22, further  
comprising refining the media data obtained from the sensor  
components in response to the respective activities.

29. (Previously Presented) The method of claim 22, further  
comprising storing the combined media data in a history of each  
communication interaction.

30. (Previously Presented) The method of claim 22, further  
comprising monitoring an artifact over time.

31. (Previously Presented) The method of claim 30, further comprising recording a history of the artifact over time.

32. (Previously Presented) The method of claim 22, further comprising detecting one or more activities in the environments and creating an interest area for each detected activity.

33. (Previously Presented) The method of claim 32, further comprising associating the interest area with another interest thread.

34. (Currently Amended) A computer-readable storage media that contains a set of code that when executed provides communication by:

- providing a first set of sensing and rendering components for covering physical movements of multiple individuals present in a first environment;

- providing a second set of sensing and rendering components for covering physical movements of multiple individuals present in a second environment;

- detecting multiple communication interactions each involving a respective subset of the individuals present in the first and second environments;

- maintaining an interest thread for each detected communication interaction;

- capturing a set of media data from the sensing components; combining the captured media data in response to the respective activities indicated by physical movements of the respective subset of the individuals;

- communicating the combined media data to the rendering components.

35. (Previously Presented) The computer-readable storage media of claim 34, further comprising selecting a respective subset of the sensing and rendering components for use for each interest thread.

36. (Previously Presented) The computer-readable storage media

of claim 34, wherein combining the captured media data includes detecting speech levels of the corresponding individuals.

37. (Previously Presented) The computer-readable storage media of claim 34, wherein combining the captured media data includes detecting gestures by the corresponding individuals.

38. (Previously Presented) The computer-readable storage media of claim 34, wherein combining the captured media data includes detecting movements by the corresponding individuals.

39. (Previously Presented) The computer-readable storage media of claim 34, wherein combining the captured media data includes detecting locations of the corresponding individuals.

40. (Previously Presented) The computer-readable storage media of claim 34, further comprising refining the media data obtained from the sensor components in response to the respective activities.

41. (Previously Presented) The computer-readable storage media of claim 34, further comprising storing the combined media data in a history of each communication interaction.

42. (Previously Presented) The computer-readable storage media of claim 34, further comprising monitoring an artifact over time.

43. (Previously Presented) The computer-readable storage media of claim 42, further comprising recording a history of the artifact over time.

44. (Previously Presented) The computer-readable storage media of claim 34, further comprising detecting one or more activities in the environments and creating an interest area for each detected activity.

45. (Previously Presented) The computer-readable storage media

of claim 44, further comprising associating the interest area with another interest thread.